

REGRESSED INTELLIGENCE QUOTIENT SCORES

Instructions:

A conversion table to regress intelligence quotient (IQ) scores is located on the following pages. The table has 4 columns. Column 1 indicates full-scale IQ scores. Columns 2-4 indicate corresponding correlation scores. Follow the instructions below to determine the regressed IQ score to be used in determining whether the 15-point discrepancy between ability and achievement exists.

1. Determine the correlation between the intellectual measure and the achievement measure that was used to assess the student. Correlations are usually stated in the instructor's manual for each test.
2. Determine the appropriate column (2, 3, or 4) to use based on the correlation between the two tests. The table provides correlations at .7, .6, and .5. Use .6 if you cannot find the correlation in the instructor's manual or test literature.
3. Locate the student's full-scale IQ score on the intellectual measure in column 1 of the table.
4. Follow the IQ score across to a correlation score in the appropriate column. That score is the regressed IQ score.
5. Subtract the student's actual achievement standard score from the regressed IQ score.

Example:

If the correlation between the IQ test and the achievement test is .6 and the student's full-scale score is 86, the student's regressed IQ score would be 92.

Regressed full-scale IQ score	92
Minus achievement standard score	-75
Equals discrepancy	17

REGRESSED INTELLIGENCE QUOTIENT SCORES

Full-Scale IQ Score	Correlation between full-scale IQ score and achievement scores		
	.7 Correlation	.6 Correlation	.5 Correlation
150	135	130	125
149	134	129	125
148	134	129	124
147	133	128	124
146	132	128	123
145	132	127	123
144	131	126	122
143	130	126	122
142	129	125	121
141	129	125	121
140	128	124	120
139	127	123	120
138	127	123	119
137	126	122	119
136	125	122	118
135	125	121	118
134	124	120	117
133	123	120	117
132	122	119	116
131	122	119	116
130	121	118	115
129	120	117	115
128	120	117	114
127	119	116	114
126	118	116	113
125	118	115	113
124	117	114	112
123	116	114	112
122	115	113	111
121	115	113	111
120	114	112	110
119	113	111	110
118	113	111	109
117	112	110	109
116	111	110	108
115	111	109	108
114	110	108	107
113	109	108	107
112	108	107	106
111	108	107	106
110	107	106	105
109	106	105	105

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Full-Scale IQ Score	Correlation between full-scale IQ score and achievement scores		
	.7 Correlation	.6 Correlation	.5 Correlation
108	106	105	104
107	105	104	104
106	104	104	103
105	104	103	103
104	103	102	102
103	102	102	102
102	101	101	101
101	101	101	101
100	100	100	100
99	99	99	100
98	99	99	99
97	98	98	99
96	97	98	98
95	97	97	98
94	96	96	97
93	96	96	97
92	94	95	96
91	94	95	96
90	93	94	95
89	92	93	95
88	92	93	94
87	91	92	94
86	90	92	93
85	89	91	93
84	89	90	92
83	88	90	92
82	87	89	91
81	87	89	91
80	86	88	90
79	85	87	90
78	85	87	89
77	84	86	89
76	83	86	88
75	83	85	88
74	82	84	87
73	81	84	87
72	80	83	86
71	80	83	86
70	79	82	85